



The Utah INNOVATION AWARDS

The Utah STEM Innovation Awards (STEMi Awards) are designed to recognize and reward individuals who excel in and contribute to STEM learning and achievement:

People who may nominate someone from the community for a STEMi include:

- Students
- Teachers
- Counselors
- Principals
- Community Mentors

The recipients of this award will be invited to attend and receive their STEM Innovation Award at the Utah Technology Council's Innovation Awards on April 20, 2017.

**Nominations are open
until March 8, 2017.**

To learn more and nominate visit <https://stem.utah.gov/stem-innovation-awards/>



2016 STEM Innovation Awardees

Here are last year's, 2016 stellar STEM Innovation Awardees:



MATTHEW LOWE

Matthew has worked in education as a teacher, counselor and administrator for the last 16 years in Utah and California. He now works as a Title I School Site Coordinator at Hurricane Elementary School where he works to make sure his students have access to a great STEM education, better attendance and greater parent involvement. With teacher and parent support, Matthew has created six FIRST Lego League (FLL) teams comprised of more than 40 Hurricane Elementary students. Over the course of a season, these 40 students program their robots, learn teamwork skills, and engineer an inventive solution to a specific problem—and then compete with 55 other teams at the Washington County FLL tournament. Matthew also coordinates and runs after-school and summer robotics programs that teach robotics and programming skills to another 60 2nd and 3rd graders. Matthew loves his school and his students, and feels lucky to work in the school where his children and neighbors attend and feels a duty to make sure that Hurricane Elementary is a high-achieving school that focuses on STEM education.

Learn more about STEM Action Center programs at stem.utah.gov

Last year's, 2016 stellar STEM Innovation Awardees (cont...)



ZACK TEMIRCAN

Zack is an Academic Dean at Beehive Science and Technology Academy (BSTA) in Sandy, Utah. Zack received his BS in biology M.A. in educational leadership, and Ph.D. in health psychology. After graduation,

Zack launched his career in Oakland, California, where he began his science teaching, Science Olympiad coaching, science position as department head, and STEM related projects. Zack worked with the UC Berkeley biology/physics department for five years to prepare his students for many International Science Olympiads. That eventually led to many years mentoring and coaching with many students in science. After he received his Master in Educational Leadership, he began working as Dean of Academics at BSTA at the same time he started work on his Ph.D.



EMILY NAYLOR

Emily has excelled in math and sciences receiving straight A's in both. She participated in her school math club. In 2014 Emily was diagnosed with stage five kidney failure due to a rare disease called Dense Deposit

Disease, which affects the kidney. After six months of trying to save the kidney she had to go on dialysis for a year and finally in June of 2015 she received a new kidney. Unfortunately she will deal with this disease for the rest of her life, but she hasn't let it stop her. Even though she missed about a year and a half of school, she is on track to graduate on time and has still kept up her GPA. She was even chosen to be her school's Sterling Scholar in science.

She is thankful for science that saved her life and for all those scientists in the past that made it possible for her to live, for those that are working for a cure for her disease, and for those that are working on stem cells so that she can regrow her own kidney. She put together a school science day to help middle school students see how fun and exciting science can be.



KATIE ROGERS

Katie is a 4th grade STEM teacher at Thunder Ridge Elementary in Saratoga Springs. She is a graduate of Brigham Young University-Idaho in elementary education. Mrs. Rogers has been teaching in the Alpine

School District for 13 years. She has taught 3rd-5th grades and has developed an after-school STEM Club. She was recently awarded the PTA "Teacher of the Year" for her school. Mrs. Rogers has taught in-service classes for her school, district, and also teaches online math classes through the Utah State Office of Education. She has taught CORE Academy classes and has served on several SAGE testing panels and ACT Inspire teams. She works at writing grants for her classroom and grade level and has received over \$10,000 in grant monies this last year. Mrs. Rogers is dedicated to her passion of teaching and helping students. She loves seeing her students engaged in curriculum and extending their education beyond the classroom. She and her husband Neal have three boys who they love playing with.



STEVEN SHUMWAY

Dr. Shumway is a professor for the Technology & Engineering Education program in the Fulton College of Engineering and Technology at Brigham Young University. He is an active member of the International

Technology and Engineering Educators Association and is a past-president of the Utah Technology and Engineering Educators Association. Dr. Shumway has published in various education journals and is a regular presenter at state, regional and national conferences. His research interests include student motivation in the classroom, and developing and teaching engineering-related curriculum to elementary, middle and high school students.

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